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ABSTRACT

This report provides information about the 26,697 degrees and certificates granted by Connecticut colleges and universities between July 1, 1998 and June 30, 1999. Data are included on the gender and race or ethnicity of the recipients, and data are broken into academic disciplines following the Classification of Instructional Programs. The 29,697 degrees and certificates in 1998-1999 represent an increase of 3.9% over the previous year. This increase represents both an increase in reporting and an actual increase in recipients. This is particularly true for certificate programs, up 74.2%; degrees have not changed greatly, although master's degrees increased by 6.0%. Decreases occurred in first professional degrees, doctorates, and greater-than-1-year certificates. Minorities in Connecticut earned more degrees in 1998-1999 than in any previous recording period. The 5 most popular disciplines in which degrees and certificates were awarded were: (1) Business Management and Administrative Services (5,677); (2) Health Professions and Related Sciences (3,209); (3) Education (3,170); (4) Social Sciences and History (2,712); and (5) Liberal Arts and Sciences, General Studies, and Humanities (2,247). Four appendixes contain detailed data tables. (Contains 11 tables.) (SLD)

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Degrees and Certificates Conferred by Connecticut Institutions of Higher Education, 1998-99 Report

Connecticut State Board of Governors for Higher Education, Hartford

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Report

January 2000

Board of Governors for Higher Education
Department of Higher Education
State of Connecticut

Degrees and Certificates Conferred by Connecticut Institutions of Higher Education 1998-99

Highlights

- Connecticut colleges and universities awarded a total of 29,697 degrees and certificates in 1998-99, up 3.9% over the previous year. This growth reflects both an increase in reporting, particularly of certificates, and an actual increase in recipients, as well as the first-time inclusion of data from Gibbs College. Excluding the latter, the annual increase is 2.7% to 29,276 degrees and certificates.

- Significant increases occurred in master's (up 6.0%), bachelor's (up 2.4%), associate's (up 3.4%) and less-than-one-year certificates (up 74.2%). The increase in less-than-one-year certificates reflects a change in reporting from Gibbs College and an actual increase in the number of recipients (without Gibbs College's data, total less-than-one-year certificates rose 6.7% over last year).

- Decreases occurred in first-professional degrees (down 4.4%), doctorates (down 8.3%), and greater-than-one-year certificates (down 44.9%). Certificates in this category have typically been less than one percent of total degrees and certificates granted in any given year.

- Minorities, again, earned more degrees (4,288) in 1998-99 than in any previous recording period. This is an increase of 11.6% over last year, with most growth in degrees occuring at the Master's level.

- Public colleges and universities granted 14,819 degrees and certificates, up 1.1% from a year ago. Independent institutions granted 14,878 degrees and certificates, up 7.4% from the previous year. This includes the addition of degree and certificate data from Gibbs College to the count (421 degrees and certificates). Not including the data from Gibbs, the total for independent colleges and universities increased 4.4%.

- The five most popular disciplines in which degrees and certificates were awarded were: Business Management and Administrative Services (5,677), Health Professions and Related Sciences (3,209), Education (3,170), Social Sciences and History (2,712), and Liberal Arts and Sciences, General Studies and Humanities (2,427).

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Introduction

This report provides information about the 26,697 degrees and certificates granted between July 1, 1998 and June 30, 1999 by Connecticut colleges and universities, as well as the gender and race or ethnicity of the recipients. The data also break into academic disciplines following the Classification of Instructional Programs (CIP). The data for this report were provided to the Department by each college and university, and aggregated and analyzed by the Department. More detail about the degrees can be obtained on the Department's Web site (www.ctdhe.commnet.edu).

Overview

Connecticut colleges and universities awarded 29,697* degrees and certificates in 1998-99, an increase of 1,118 (3.9%) over the previous year. This increase represents both an increase in reporting and an actual increase in recipients. This is particularly true in the case of certificate programs; degrees such as associate's, bachelor's, master's, and doctorates have not changed greatly. In one year, for example, total less-than-one year certificates increased from 565 to nearly 1,000, an increase of 74% in one year. This, however, is largely driven by the addition of one college, Gibbs, to the report. Without Gibbs' certificates, the total increased 6.7%. Bachelor's degrees, the largest single degree level, increased 2%, from 14,102 to 14,447.

Table 1 provides the breakdown of degrees and certificates conferred by public and independent institutions. In 1998-99 public colleges and universities awarded 49.9% of all degrees and certificates. The proportion of degrees and certificates granted by the public institutions has been dropping since 1993-94, reflecting state enrollment patterns.

Table 1A
Total Degrees and Certificates Granted in Connecticut
Public and Independent Institutions
1988-89 to 1998-99

	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
Public Institutions											
Certificates <1 Yr	225	182	118	215	263	326	441	510	499	532	585
Certificates >1 Yr	154	185	246	235	215	279	274	241	252	190	96
Associate's	3,550	3,626	3,659	3,998	4,164	4,256	4,009	3,915	3,885	3,547	3,700
Bachelor's	6,966	7,254	7,706	8,116	8,229	7,502	7,554	7,201	7,031	6,896	6,881
Master's	2,601	2,604	2,549	2,749	2,700	2,764	2,653	2,773	2,979	2,937	3,034
Doctoral	198	217	228	206	216	246	265	239	254	253	227
First-Professional	323	313	336	321	282	302	310	312	324	307	296
TOTAL	**14,017**	**14,381**	**14,842**	**15,840**	**16,069**	**15,675**	**15,506**	**15,191**	**15,224**	**14,662**	**14,819**
Independent Institutions											
Certificates <1 Yr	-	21	38	44	64	24	41	34	43	33	399
Certificates >1 Yr	40	19	21	16	28	47	29	38	30	17	18
Associate's	1,192	1,116	1,201	1,052	1,034	958	807	874	957	953	954
Bachelor's	6,720	7,081	7,130	7,094	6,920	6,650	6,604	6,613	6,915	7,206	7,566
Master's	4,051	4,334	4,431	4,548	4,547	4,542	4,500	4,828	4,646	4,633	4,990
Doctoral	355	355	382	398	414	400	442	437	413	433	402
First-Professional	597	643	644	575	601	542	610	609	631	577	549
TOTAL	**12,955**	**13,569**	**13,847**	**13,727**	**13,608**	**13,120**	**13,033**	**13,433**	**13,635**	**13,852**	**14,878**

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Table 1B
Total Degrees and Certificates Granted in Connecticut
All Institutions
1988-89 to 1998-99

	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99
All Institutions											
Certificates <1 Yr	225	203	156	259	327	350	482	544	542	565	984
Certificates >1 Yr	194	204	267	251	243	326	303	279	282	207	114
Associate's	4,742	4,742	4,860	5,050	5,198	5,171	4,816	4,789	4,842	4,500	4,654
Bachelor's	13,686	14,335	14,836	15,210	15,149	14,152	14,158	13,814	13,946	14,102	14,447
Master's	6,652	6,938	6,980	7,297	7,247	7,306	7,153	7,601	7,625	7,570	8,024
Doctoral	553	572	610	604	630	646	707	676	667	686	629
First-Professional	920	956	980	896	883	844	920	921	955	884	845
GRAND TOTAL	**26,972**	**27,950**	**28,689**	**29,567**	**29,677**	**28,795**	**28,539**	**28,624**	**28,859**	**28,514**	**29,697**

*Throughout this report, totals reflect new data reported by Gibbs College.

As a proportion of total degrees and certificates granted, bachelor's represent slightly less than half, 48.6%. This is down from a year ago, when bachelor's degrees represented 49.5% of all degrees and certificates granted. Master's degrees, as a proportion of total conferrals, are at a peak, representing 27% of all degrees and certificates. Associate's degrees represent 15.7%, continuing the general downward trend of the last six years. Table 2 depicts these percentages for selected years.

Table 2
Percentage of Degrees and Certificates at Various Levels
Selected Years
1990-91 to 1998-99

	1990-91	1992-93	1994-95	1996-97	1998-99
All Certificates	1.5%	1.9%	2.8%	2.9%	3.7%
Associate's	16.9%	17.5%	16.9%	16.8%	15.7%
Bachelor's	51.7%	51.0%	49.6%	48.3%	48.6%
Master's	24.3%	24.4%	25.1%	26.4%	27.0%
Doctoral	2.1%	2.1%	2.5%	2.3%	2.1%
First-Professional	3.4%	3.0%	3.2%	3.3%	2.8%

Degrees Awarded to Minorities

Each year minority individuals earn more and more degrees and certificates in Connecticut; 1998-99 was no exception. Minorities earned 4,288 degrees or certificates in 1998-99, up 11.6% from 1997-98, as shown in Table 3. In addition, degrees conferred to minority students made up a higher proportion (14.4%) of the total than in years past. Since the 1980s progress has been real and continuous, both in terms of increasing the total number of degrees awarded to minorities and in the percentage of total degrees earned by minority students. Connecticut institutions continue to improve in recruiting minority students, retaining those minority students from semester to semester, and in preparing them for completion of their academic programs.

Table 3
Degrees Awarded by Race and Ethnicity
Selected Years
1984-1985 to 1998-1999

Race/Ethnicity	1984-85**	1990-91**	1997-98	1998-99
Black	849	1,111	1,570	1,714
Hispanic	455	623	1,082	1,226
Asian	504	680	1,106	1,257
American Indian	59	48	84	91
TOTAL, Minorities	1,867	2,462	3,842	4,288
White	24,358	23,740	21,964	22,346
Non-Resident Aliens	791	1,346	1,752	1,802
TOTAL, Non-Minorities	25,149	25,086	23,716	24,148
GRAND TOTAL	27,016	28,533 *	28,579 *	29,697 *
Minority Degrees as % of Total Degrees	6.9%	8.6%	13.4%	14.4%

* Included in GRAND TOTAL are students for whom race/ethnicity was not identified.
** Data for these years do not include Certificates-of-Less-Than-One-Year duration

Comparing 1998-99 to the previous year, each ethnic group changed. Degrees conferred to Blacks were up 9.2%, to Hispanics up 13.3%, to Asians up 13.7% and to American Indians up 8.3%. Of the total degrees and certificates awarded in 1998-99, Blacks received 5.7%, Hispanics 4.1%, Asians 4.2%, and American Indians 0.3%.

This year slightly more degrees were awarded to minority students by independent institutions (50.1%) than by the publics (49.9%). Table 4 provides the break out of degrees by gender, race or ethnicity, and type of institution.

Table 4
Total Degrees Awarded by Sector, Gender, and Race/Ethnicity
1998-99

	Black Non-Hispanic		Hispanic		Asian or Pacific Islander		American Indian or Alaskan Native		White Non-Hispanic		Non-Resident Alien		Other Race/Ethnicity		Total	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
PUBLIC INSTITUTIONS																
TOTAL, University of Connecticut	66	99	73	104	107	101	9	9	1,703	2,030	149	99	15	17	2,122	2,459
TOTAL, State Universities	85	187	75	109	52	60	-	10	1,464	2,852	32	28	219	285	1,927	3,531
TOTAL, Community-Technical Colleges	133	277	99	159	30	66	3	9	1,201	2,095	30	90	40	54	1,536	2,750
Charter Oak State College	9	14	13	4	5	7	2	1	132	144	2	1	12	10	175	181
TOTAL STATE INSTITUTIONS	293	577	260	376	194	234	14	29	4,500	7,121	213	218	286	366	5,760	8,921
United States Coast Guard	4	2	7	1	4	3	2	-	77	37	1	-	-	-	95	43
TOTAL PUBLIC INSTITUTIONS	297	579	267	377	198	237	16	29	4,577	7,158	214	218	286	366	5,855	8,964
INDEPENDENT INSTITUTIONS																
TOTAL, Four-Year National	114	169	115	122	251	331	8	9	1,615	1,696	363	196	147	155	2,613	2,678
TOTAL, Four-Year Regional	161	275	104	147	99	121	7	12	2,770	4,002	518	248	182	110	3,841	4,915
TOTAL, Two-Year	48	71	27	67	7	13	4	6	131	397	26	19	7	8	250	581
TOTAL INDEPENDENT INSTITUTIONS	323	515	246	336	357	465	19	27	4,516	6,095	907	463	336	273	6,704	8,174
TOTAL ALL INSTITUTIONS	620	1,094	513	713	555	702	35	56	9,093	13,253	1,121	681	622	639	12,559	17,138

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For more than a decade, minority students have made significant progress by earning more and more higher-level degrees. This year the pattern changed slightly, with a small increase at the lowest levels and in master's degrees. The percentage of degrees and certificates at the bachelor's level remained essentially the same for minorities, while the percentage of doctorates and first-professional degrees decreased a bit (see Table 5). Minorities continue to trail whites in proportions of Master's and Doctoral degrees.

Table 5
Percentage of Degrees Awarded to White and Minority Students
At Each Degree Level (Excluding Certificates of Less Than One Year)
Selected Years
1982-83 to 1998-99

	1982-83		1996-97		1997-98		1998-99	
	White	Minority	White	Minority	White	Minority	White	Minority
Certificate & Associate's	23.0%	28.5%	18.3%	24.5%	17.2%	21.0%	16.3%	21.3%
Bachelor's	50.4%	46.3%	50.1%	51.0%	51.7%	52.1%	51.8%	52.0%
Master's	21.7%	19.7%	26.1%	18.6%	26.0%	20.5%	27.2%	21.1%
Doctoral	1.6%	1.1%	1.9%	1.1%	1.8%	1.7%	1.7%	1.5%
First-Professional	3.3%	4.4%	3.5%	4.8%	3.2%	4.7%	2.9%	4.2%
	100%	100%	100%	100%	100%	100%	100%	100%

* Data for all years excludes Certificates of Less Than One Year

Non-resident aliens or foreign students earned 1,802 degrees and certificates in 1998-99. Most such degrees were awarded by independent colleges and universities.

Degrees Earned by Women

Women received 57.7% of all degrees awarded in 1998-99, almost the same as the year before. Women continue to be especially underrepresented among doctoral and first-professional degree recipients though there has been a small upturn in the proportion of women recipients of first professional degrees (see Table 6).

Table 6
Proportion of Degrees Conferred to Women by Level
Selected Years
1979-80 to 1998-99

	Certificates Less Than One Year	Certificates One Year or More	Associate's	Bachelor's	Master's	Doctoral	First Professional	Total
1979-80	--	61.6%	59.8%	50.1%	52.4%	29.6%	27.3%	51.6%
1984-85	--	61.3%	56.3%	51.8%	51.1%	37.1%	36.2%	52.0%
1989-90	--	59.3%	62.0%	53.9%	56.6%	37.8%	41.3%	55.2%
1994-95	68.5%	77.9%	64.8%	55.3%	57.3%	43.0%	43.2%	57.2%
1995-96	65.8%	76.7%	66.6%	55.2%	57.6%	40.8%	40.8%	57.3%
1996-97	64.6%	76.2%	65.2%	55.4%	58.2%	40.2%	43.4%	57.4%
1997-98	65.1%	76.3%	65.3%	55.6%	60.0%	41.8%	43.6%	57.9%
1998-99	70.0%	65.8%	63.4%	55.9%	58.7%	40.9%	44.6%	57.7%

Trends in Disciplines

Business Management and Administrative Services was the most popular field for the 17th consecutive year. Following this discipline, in descending order were 2) Health Professions and Related Sciences, 3) Education, 4) Social Sciences and History, and 5) Liberal Arts and Sciences, General Studies and Humanities. Health Professions and Related Sciences is again in the second spot, having fallen behind Education last year; for the seven years prior to that Health Professions and Related Sciences was second highest. Of these five disciplines, changes are as follows: 1) Business is up by 383, 2) Health is down by 127, 3) Education is up by 179, 4) Social Sciences is down by two, and 5) Liberal Arts is up by 226.

The number of degrees and certificates awarded in scientific and technical disciplines included several that increased. An outstanding increase occurred in computer and information sciences, largely because of the addition of 118 one-year certificates, 105 of which were granted by Gibbs College. Other levels increased as well in this discipline. Health and Biological Science disciplines increased also, including several increases at the graduate level. Mathematics remains a small proportion of total degrees, but it increased slightly this past year, mostly because of increases at the master's level. Decreases occurred again in Engineering and related fields, a drop of 3.1% from last year. Finally, Physical Sciences and related fields decreased to the same level as ten years ago. The change occurred mainly at the bachelor's level. Table 7 provides totals and trend data for these disciplines, and Appendix 2 provides further detail regarding degree levels.

Table 7
Degrees Awarded in Scientific and Technical Disciplines
Selected Years
1988-1989 to 1998-1999

	1988-1989	1994-1995	1996-1997	1997-1998	1998-1999
Computer & Information Sciences					
Number of Degrees	577	355	297	358	534
Percentage of Total	2.1%	1.2%	1.0%	1.3%	1.8%
Engineering & Related Technologies					
Number of Degrees	1,933	1,490	1,371	1,310	1,269
Percentage of Total	7.2%	5.2%	4.8%	4.6%	4.3%
Health Professions & Related Sciences					
Number of Degrees	1,881	3,068	3,336	3,074	3,209
Percentage of Total	7.0%	10.8%	11.6%	10.8%	10.8%
Biological Sciences/Life Sciences					
Number of Degrees	721	1,024	1,056	1,025	1,077
Percentage of Total	2.7%	3.6%	3.7%	3.6%	3.6%
Mathematics					
Number of Degrees	292	328	273	244	260
Percentage of Total	1.1%	1.1%	0.9%	0.9%	0.9%
Physical Sciences & Science Technologies					
Number of Degrees	442	505	512	482	442
Percentage of Total	1.6%	1.8%	1.8%	1.7%	1.5%

Summary

This year degrees and certificates increased in number and in the diversity of recipients. Recipient diversity is part of a continuing trend, with more minority individuals receiving degrees in 1997-98 than in previous years. There is still under-representation of women and minorities among degree recipients at the highest levels. The overall increase in number of awards is partly because of reporting of certificates that were not previously reported to the Department. Degrees at other levels remained about the same as last year.

Specific disciplines that were of interest include several with strong linkages to careers in high demand. Among those are computer science, where awards jumped significantly this year largely because of the addition of 118 one-year certificates, of which 105 were from a single college which was newly added to degrees and certificates reporting. Several other large disciplines with strong linkages to careers, including engineering and related technologies (two disciplines were presented in summary form) continued to drop. The largest discipline was business, continuing a lengthy trend.

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Appendix 1
Degrees and Certificates Granted by Colleges and Universities in Connecticut
1998-99

	Certificates Less Than One Year	Certificates One-Year Or More	Associate's	Bachelor's	Master's	Doctoral	First Professional	Total
Public Institutions								
University of Connecticut	-	-	14	2,852	1,192	227	296	4,581
Storrs and Regional Campuses	-	-	14	2,852	1,192	227	176	4,461
UConn Health Center	-	-	-	-	-	-	120	120
Connecticut State University	-	1	22	3,593	1,842	-	-	5,458
Central	-	-	-	1,230	461	-	-	1,691
Eastern	-	-	13	734	70	-	-	817
Southern	-	1	2	1,077	1,128	-	-	2,208
Western	-	-	7	552	183	-	-	742
Community-Technical Colleges	585	95	3,606	-	-	-	-	4,286
Asnuntuck	42	-	133	-	-	-	-	175
Capital	31	-	266	-	-	-	-	297
Gateway	84	-	361	-	-	-	-	445
Housatonic	31	1	255	-	-	-	-	287
Manchester	76	4	661	-	-	-	-	741
Middlesex	21	3	211	-	-	-	-	235
Naugatuck Valley	78	4	443	-	-	-	-	525
Northwestern Connecticut	67	-	152	-	-	-	-	219
Norwalk	37	2	386	-	-	-	-	425
Quinebaug Valley	23	1	86	-	-	-	-	110
Three Rivers	3	50	472	-	-	-	-	525
Tunxis	92	30	180	-	-	-	-	302
Charter Oak State College	-	-	58	298	-	-	-	356
TOTAL, State Institutions	585	96	3,700	6,743	3,034	227	296	14,681
U.S. Coast Guard Academy	-	-	-	138	-	-	-	138
TOTAL, Public Institutions	585	96	3,700	6,881	3,034	227	296	14,819
Independent Institutions								
Four-Year National	-	-	-	3,051	1,574	336	330	5,291
Connecticut College	-	-	-	417	23	-	-	440
Trinity College	-	-	-	504	26	-	-	530
Wesleyan College	-	-	-	726	113	14	-	853
Yale University	-	-	-	1,404	1,412	322	330	3,468
Four-Year Regional	18	3	684	4,515	3,416	66	219	8,921
Albertus Magnus College	5	3	111	197	61	-	-	377
Fairfield University	-	-	19	780	212	-	-	1,011
Hartford Seminary Foundation	-	-	-	-	11	7	-	18
Holy Apostles College	-	-	-	5	5	-	10	20
Lyme Academy of Fine Art	-	-	-	10	-	-	-	10
Mitchell College	-	-	165	-	-	-	-	165
Paier College of Art, Inc.	7	-	5	26	-	-	-	38
Quinnipiac College	-	-	7	883	195	-	209	1,294
Rensselaer at Hartford	-	-	-	-	529	-	-	529
Sacred Heart University	-	-	74	613	466	-	-	1,153
St. Basil College	-	-	-	14	-	-	-	14
St. Joseph College	-	-	-	212	165	-	-	377
Teikyo Post University	-	-	57	240	-	-	-	297
University of Bridgeport	-	-	42	156	426	42	-	666
University of Hartford	6	-	135	875	514	16	-	1,546
University of New Haven	-	-	69	504	832	1	-	1,406
Two-Year Independent	381	15	270	-	-	-	-	666
Briarwood College	-	13	128	-	-	-	-	141
Gibbs College	381	-	40	-	-	-	-	421
Goodwin College	-	-	-	-	-	-	-	-
International College of Hospitality Management	-	2	51	-	-	-	-	53
St. Vincent's College	-	-	51	-	-	-	-	51
TOTAL, Independent Institutions	399	18	954	7,566	4,990	402	549	14,878
TOTAL, All Institutions	984	114	4,654	14,447	8,024	629	845	29,697

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Appendix 2
Degrees and Certificates by Discipline and Level
1998-99

CIP	Discipline	Certificates Less Than One-Year	Certificates One Year or More	Associate's	Bachelor's	Master's	Doctoral	First Professional	Total	Rank
1	Agricultural Business and Production	-	-	14	19	6	1	-	40	33
2	Agricultural Sciences	2	-	3	47	4	5	-	61	31
3	Conservation and Renewable Natural Resources	-	-	-	33	123	6	-	162	26
4	Architecture and Related Programs	2	-	2	62	58	-	-	124	27
5	Area, Ethnic, and Cultural Studies	-	-	-	249	59	14	-	322	19
8	Marketing Operations/Marketing and Distribution	-	1	78	129	-	-	-	208	24
9	Communications	4	-	22	749	22	-	-	797	10
10	Communications Technologies	6	-	26	-	-	-	-	32	36
11	Computer and Information Sciences	118	-	17	194	205	-	-	534	15
12	Personal and Miscellaneous Services	6	-	34	-	-	-	-	40	34
13	Education	-	4	27	540	2,553	46	-	3,170	3
14	Engineering	-	-	24	399	268	40	-	731	12
15	Engineering-Related Technologies	52	29	287	161	9	-	-	538	14
16	Foreign Languages and Literatures	-	-	-	191	70	34	-	295	20
19	Home Economics, General	-	-	-	214	107	3	-	324	18
20	Vocational Home Economics	31	-	207	-	-	-	-	238	23
22	Law and Legal Studies	12	-	83	26	44	-	587	752	11
23	English Language and Literature/Letters	-	-	-	778	88	21	-	887	9
24	Liberal Arts and Sciences, General Studies and Humanities	-	2	1,589	826	6	4	-	2,427	5
25	Library Science	-	8	-	3	69	-	-	80	30
26	Biological Sciences/Life Sciences	-	-	6	777	195	99	-	1,077	8
27	Mathematics	-	-	-	168	76	16	-	260	21
30	Multi/Interdisciplinary Studies	-	-	-	234	14	2	-	250	22
31	Parks, Recreation, Leisure, and Fitness Studies	5	-	28	48	8	-	-	89	29
32	Basic Skills	19	-	-	-	-	-	-	19	39
38	Philosophy and Religion	-	-	-	136	28	14	-	178	25
39	Theological Studies and Religious Vocations	-	-	-	-	61	7	46	114	28
40	Physical Sciences	-	-	4	236	97	79	-	416	17
41	Science Technologies	-	-	26	-	-	-	-	26	37
42	Psychology	-	-	-	1,184	259	35	-	1,478	6
43	Protective Services	42	-	220	259	73	-	-	594	13
44	Public Administration and Services	1	-	28	199	295	-	-	523	16
45	Social Sciences and History	2	-	2	2,353	257	98	-	2,712	4
47	Mechanics and Repairers	13	2	7	-	-	-	-	22	38
48	Precision Production Trades	27	1	20	-	-	-	-	48	32
49	Transportation and Materials Moving Workers	-	-	-	39	-	-	-	39	35
50	Visual and Performing Arts	21	5	92	754	305	27	-	1,204	7
51	Health Professions and Related Sciences	162	45	836	1,213	679	62	212	3,209	2
52	Business Management and Administrative Services	459	17	972	2,227	1,986	16	-	5,677	1
TOTAL		984	114	4,654	14,447	8,024	629	845	29,697	

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Appendix 3
Degrees and Certificates by Level and Race/Ethnicity
1998-1999

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaska Native	White Non-Hispanic	Non-Resident Alien	Other Race/Ethnicity	Total
Certificates < 1 Year								
Agricultural Sciences	-	-	-	-	1	-	1	2
Architecture and Related Programs	-	-	-	-	2	-	-	2
Communications	1	-	-	-	3	-	-	4
Communications Technologies	-	1	-	-	5	-	-	6
Computer and Information Sciences	27	26	5	-	56	1	3	118
Personal and Miscellaneous Services	3	2	-	-	1	-	-	6
Engineering Related Technologies	1	3	2	-	41	2	3	52
Vocational Home Economics	6	1	-	-	23	1	2	33
Law and Legal Studies	-	-	2	-	9	-	1	12
Parks, Recreation, Leisure and Fitness Studies	1	-	-	-	4	-	-	5
Basic Skills	-	6	1	-	6	7	1	19
Protective Services	4	5	-	1	30	-	2	42
Public Administrative and Services	-	-	-	-	1	-	-	1
Social Sciences and History	-	-	-	-	2	-	-	2
Mechanics and Repairers	-	2	-	-	10	-	1	13
Precision Production Trades	2	2	-	-	20	1	2	27
Visual and Performing Arts	2	1	2	-	15	1	-	21
Health Professions and Related Sciences	27	11	-	-	112	8	4	162
Business Management and Administrative Services	55	49	15	1	334	9	2	459
Total Certificates < 1 Year	**129**	**107**	**27**	**2**	**673**	**24**	**22**	**984**
Certificates > 1 Year								
Marketing Operations/Marketing and Distribution	-	-	-	-	1	-	-	1
Education	-	-	-	-	4	-	-	4
Engineering Related Technologies	1	2	-	-	26	-	-	29
Liberal Arts and Sciences, General Studies and Humanities	-	-	-	-	2	-	-	2
Library Science	-	-	-	-	8	-	-	8
Mechanics and Repairers	-	-	-	-	2	-	-	2
Precision Production Trades	-	-	-	-	1	-	-	1
Visual and Performing Arts	-	-	-	-	5	-	-	5
Health Professions and Related Sciences	3	-	-	1	41	-	-	45
Business Management and Administrative Services	-	1	1	-	12	2	1	17
Total Certificates > 1 Year	**4**	**3**	**1**	**1**	**102**	**2**	**1**	**114**
Associate's								
Agricultural Business and Production	-	-	1	-	13	-	-	14
Agricultural Sciences	-	-	-	-	3	-	-	3
Architecture and Related Programs	-	-	-	-	1	1	-	2
Marketing Operations/Marketing and Distribution	6	7	3	-	57	5	-	78
Communications	4	-	-	-	18	-	-	22
Communications Technologies	2	2	-	-	22	-	-	26
Computer and Information Sciences	4	6	3	-	4	-	-	17
Personal and Miscellaneous Services	3	1	-	-	29	-	1	34
Education	-	4	-	1	22	-	-	27
Engineering	1	1	1	-	18	2	1	24
Engineering Related Technologies	17	13	9	1	236	6	5	287
Vocational Home Economics	25	19	4	-	147	7	5	207
Law and Legal Studies	10	3	2	-	64	1	3	83
Liberal Arts and Sciences, General Studies and Humanities	169	75	27	5	1,211	52	50	1,589
Biological Sciences/Life Sciences	-	-	-	-	5	-	1	6
Parks, Recreation, Leisure and Fitness Studies	-	-	-	-	27	1	-	28
Physical Sciences	-	-	1	-	3	-	-	4
Science Technologies	1	2	3	-	15	5	-	26
Protective Services	19	20	2	2	172	1	4	220
Public Administration and Services	4	9	-	-	11	3	1	28
Social Sciences and History	1	-	-	-	1	-	-	2
Mechanics and Repairers	-	-	-	-	7	-	-	7
Precision Production Trades	-	1	-	-	18	1	-	20
Visual and Performing Arts	3	4	-	2	83	-	-	92
Health Professions and Related Sciences	90	43	11	5	656	20	11	836
Business Management and Administrative Services	111	51	29	4	694	69	14	972
Total Associate's Degrees	**470**	**261**	**96**	**20**	**3,537**	**174**	**96**	**4,654**

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Appendix 3 (Continued)
Degrees and Certificates by Level and Race/Ethnicity
1998-1999

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaska Native	White Non-Hispanic	Non-Resident Alien	Other Race/Ethnicity	Total
Bachelor's								
Agricultural Business and Production	1	1	-	-	17	-	-	19
Agricultural Sciences	-	1	-	-	46	-	-	47
Conservation and Renewable Natural Resources	1	-	-	-	32	-	-	33
Architecture and Related Programs	1	8	7	1	41	2	2	62
Area, Ethnic and Cultural Studies	28	21	19	1	165	3	12	249
Marketing Operations/Marketing and Distribution	3	6	4	-	108	8	-	129
Communications	37	20	5	1	647	10	29	749
Computer and Information Sciences	9	4	25	-	121	28	7	194
Education	13	17	6	-	477	4	23	540
Engineering	18	19	24	2	285	47	4	399
Engineering Related Technologies	3	5	6	-	83	30	34	161
Foreign Languages and Literatures	7	24	10	-	133	5	12	191
Home Economics, General	9	8	5	-	190	-	2	214
Law and Legal Studies	3	3	1	-	19	-	-	26
English Language and Literature/Letters	34	15	45	2	639	6	37	778
Liberal Arts and Sciences, General Studies and Humanities	38	32	25	6	691	15	19	826
Library Science	-	-	-	-	3	-	-	3
Biological Sciences/Life Sciences	32	29	84	1	580	26	25	777
Mathematics	3	4	16	-	132	4	9	168
Multi/Interdisciplinary Studies	13	13	18	2	151	19	18	234
Parks, Recreation, Leisure and Fitness Studies	3	2	-	-	43	-	-	48
Philosophy and Religion	4	5	5	1	105	15	1	136
Physical Sciences	9	7	22	-	178	8	12	236
Psychology	89	57	36	3	947	10	42	1,184
Protective Services	8	11	-	2	232	2	4	259
Public Administration and Services	30	17	2	1	135	3	11	199
Social Sciences and History	159	112	161	14	1,709	84	114	2,353
Transportation and Materials Moving Workers	3	1	-	-	7	28	-	39
Visual and Performing Arts	25	31	34	2	612	25	25	754
Health Professions and Related Sciences	36	27	61	1	1,029	8	51	1,213
Business Management and Administrative Services	132	77	97	4	1,710	102	105	2,227
Total Bachelor's Degrees	**751**	**577**	**718**	**44**	**11,267**	**492**	**598**	**14,447**
Master's								
Agricultural Business and Production	-	-	-	-	3	3	-	6
Agricultural Sciences	-	-	-	-	2	2	-	4
Conservation and Renewable Natural Resources	1	2	6	-	96	17	1	123
Architecture and Related Programs	3	1	8	-	33	8	5	58
Area, Ethnic, and Cultural Studies	8	3	3	-	34	3	8	59
Communications	1	-	-	-	11	9	1	22
Computer and Information Sciences	1	1	23	-	68	94	18	205
Education	71	54	18	1	2,269	40	100	2,553
Engineering	6	9	9	-	100	122	22	268
Engineering-Related Technologies	-	-	1	-	8	-	-	9
Foreign Languages and Literatures	1	11	2	-	36	16	4	70
Home Economics, General	4	2	3	1	93	2	2	107
Law and Legal Studies	-	-	-	-	24	19	1	44
English Language and Literature/Letters	2	3	2	1	71	3	6	88
Liberal Arts and Sciences, General Studies and Humanities	-	-	-	-	6	-	-	6
Library Science	2	-	-	-	62	-	5	69
Biological Sciences/Life Sciences	8	5	9	-	145	16	12	195
Mathematics	2	-	3	-	40	27	4	76
Multi/Interdisciplinary Studies	-	-	-	-	8	3	3	14
Parks, Recreation, Leisure and Fitness Studies	1	-	-	-	6	-	1	8
Philosophy and Religion	1	-	-	-	23	2	2	28
Theological Studies and Religious Vocations	2	2	4	1	38	10	4	61
Physical Sciences	2	1	4	-	50	33	7	97
Psychology	13	12	3	3	202	17	9	259
Protective Services	5	10	2	1	51	1	3	73
Public Administration and Services	27	17	3	1	208	34	5	295
Social Sciences and History	17	14	7	1	136	63	19	257
Visual and Performing Arts	12	13	35	-	182	58	5	305
Health Professions and Related Sciences	18	19	52	2	546	25	17	679
Business Management and Administrative Services	83	46	118	5	1,249	306	179	1,986
Total Master's Degrees	**291**	**225**	**315**	**17**	**5,800**	**933**	**443**	**8,024**

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Appendix 3 (Continued)
Degrees and Certificates by Level and Race/Ethnicity
1998-1999

	Black Non-Hispanic	Hispanic	Asian or Pacific Islander	American Indian or Alaska Native	White Non-Hispanic	Non-Resident Alien	Other Race/Ethnicity	Total
Doctoral								
Agricultural Business and Production	-	-	-	-	-	1	-	1
Agricultural Sciences	-	-	-	-	2	3	-	5
Conservation and Renewable Natural Resources	-	-	-	-	3	2	1	6
Area, Ethnic, and Cultural Studies	2	1	-	-	9	-	2	14
Education	2	4	-	-	34	6	-	46
Engineering	-	-	2	-	11	26	1	40
Foreign Languages and Literatures	1	2	-	-	17	11	3	34
Home Economics, General	-	-	-	-	3	-	-	3
English Language and Literature/Letters	-	2	1	-	15	1	2	21
Liberal Arts and Sciences, General Studies and Humanities	-	-	-	-	4	-	-	4
Biological Sciences/Life Sciences	1	2	6	-	60	19	11	99
Mathematics	-	-	-	-	5	11	-	16
Multi/Interdisciplinary Studies	-	-	-	-	-	1	1	2
Philosophy and Religion	1	-	-	-	9	1	3	14
Theological Studies and Religious Vocations	1	-	-	-	6	-	-	7
Physical Sciences	-	1	3	-	32	43	-	79
Psychology	2	2	-	-	27	4	-	35
Social Sciences and History	1	4	6	1	55	23	8	98
Visual and Performing Arts	-	-	-	-	21	3	3	27
Health Professions and Related Sciences	4	1	2	1	42	9	3	62
Business Management and Administrative Services	-	4	1	1	5	4	1	16
Total Doctoral Degrees	**15**	**23**	**21**	**3**	**360**	**168**	**39**	**629**
First-Professional								
Law and Legal Studies	33	22	47	3	437	4	41	587
Theological Studies and Religious Vocations	4	-	1	-	37	4	-	46
Health Professions and Related Sciences	17	8	31	1	133	1	21	212
Total First-Professional Degrees	**54**	**30**	**79**	**4**	**607**	**9**	**62**	**845**
Grand Totals	1,714	1,226	1,257	91	22,346	1,802	1,261	29,697

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Appendix 4
Degrees and Certificates by Level, Discipline and Gender of Recipient
1998-99

Discipline	Men	Women	Total
Certificates < 1 Year			
Agricultural Sciences	-	2	2
Architecture And Related Programs	-	2	2
Communications	1	3	4
Communications Technologies	4	2	6
Computer and Information Sciences	88	30	118
Personal and Miscellaneous Services	3	3	6
Engineering-Related Technologies	42	10	52
Vocational Home Economics	8	23	31
Law and Legal Studies	-	12	12
Parks, Recreation, Leisure, and Fitness Studies	1	4	5
Basic Skills	4	15	19
Protective Services	33	9	42
Public Administration And Services	-	1	1
Social Sciences and History	-	2	2
Mechanics and Repairers	9	4	13
Precision Production	15	12	27
Visual and Performing Arts	10	11	21
Health Professions and Related Sciences	25	137	162
Business Management and Administrative Services	52	407	459
Total Certificates < 1 Year Degrees	295	689	984
Certificates > 1 Year			
Marketing Operations/Marketing and Distribution	-	1	1
Education	-	4	4
Engineering-Related Technologies	24	5	29
Liberal Arts and Sciences, General Studies and Humanities	-	2	2
Library Science	1	7	8
Mechanics and Repairers	2	-	2
Precision Production Trades	1	-	1
Visual and Performing Arts	3	2	5
Health Professions and Related Sciences	3	42	45
Business Management and Administrative Services	5	12	17
Total Certificates > 1 Year Degrees	39	75	114

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Appendix 4 (Continued)
Degrees and Certificates by Level, Discipline and Gender of Recipient
1998-99

Discipline	Men	Women	Total
Associate's			
Agricultural Business and Production	5	9	14
Agricultural Sciences	1	2	3
Architecture and Related Programs	-	2	2
Marketing Operations/Marketing and Distribution	24	54	78
Communications	8	14	22
Communications Technologies	21	5	26
Computer and Information Sciences	7	10	17
Personal and Miscellaneous Services	20	14	34
Education	4	23	27
Engineering	23	1	24
Engineering-Related Technologies	251	36	287
Vocational Home Economics	12	195	207
Law and Legal Studies	19	64	83
Liberal Arts and Sciences, General Studies and Humanities	607	982	1,589
Biological Sciences/Life Sciences	3	3	6
Parks, Recreation, Leisure and Fitness Studies	14	14	28
Physical Sciences	1	3	4
Science Technologies	20	6	26
Protective Services	154	66	220
Public Administration and Services	5	23	28
Social Sciences and History	2	-	2
Mechanics and Repairers	6	1	7
Precision Production Trades	16	4	20
Visual and Performing Arts	33	59	92
Health Professions and Related Sciences	123	713	836
Business Management and Administrative Services	323	649	972
Total Associate's Degrees	1,702	2,952	4,654

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Appendix 4 (Continued)

Degrees and Certificates by Level, Discipline and Gender of Recipient

1998-99

Discipline	Men	Women	Total
Bachelor's			
Agricultural Business and Production	11	8	19
Agricultural Sciences	14	33	47
Conservation and Renewable Natural Resources	21	12	33
Architecture and Related Programs	30	32	62
Area, Ethnic and Cultural Studies	84	165	249
Marketing Operations/Marketing and Distribution	60	69	129
Communications	332	417	749
Computer and Information Sciences	146	48	194
Education	185	355	540
Engineering	334	65	399
Engineering-Related Technologies	143	18	161
Foreign Languages and Literatures	67	124	191
Home Economics, General	13	201	214
Law and Legal Studies	4	22	26
English Language and Literature/Letters	267	511	778
Liberal Arts and Sciences, General Studies and Humanities	322	504	826
Library Science	-	3	3
Biological Sciences/Life Sciences	334	443	777
Mathematics	90	78	168
Multi/Interdisciplinary Studies	113	121	234
Parks, Recreation, Leisure and Fitness Studies	19	29	48
Philosophy and Religion	92	44	136
Physical Sciences	134	102	236
Psychology	302	882	1,184
Protective Services	184	75	259
Public Administration and Services	27	172	199
Social Sciences and History	1,253	1,100	2,353
Transportation and Materials Moving Workers	38	1	39
Visual and Performing Arts	323	431	754
Health Professions and Related Sciences	248	965	1,213
Business Management and Administrative Services	1,181	1,046	2,227
Total Bachelor's Degrees	6,371	8,076	14,447

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Appendix 4 (Continued)

Degrees and Certificates by Level, Discipline and Gender of Recipient

1998-99

Discipline	Men	Women	Total
Master's			
Agricultural Business and Production	2	4	6
Agricultural Sciences	-	4	4
Conservation and Renewable Natural Resources	54	69	123
Architecture and Related Programs	34	24	58
Area, Ethnic, and Cultural Studies	18	41	59
Communications	7	15	22
Computer and Information Sciences	138	67	205
Education	594	1,959	2,553
Engineering	231	37	268
Engineering-Related Technologies	7	2	9
Foreign Languages and Literatures	29	41	70
Home Economics, General	15	92	107
Law and Legal Studies	23	21	44
English Language and Literature/Letters	31	57	88
Liberal Arts and Sciences, General Studies and Humanities	3	3	6
Library Science	13	56	69
Biological Sciences/Life Sciences	95	100	195
Mathematics	36	40	76
Multi/Interdisciplinary Studies	9	5	14
Parks, Recreation, Leisure and Fitness Studies	5	3	8
Philosophy and Religion	17	11	28
Theological Studies and Religious Vocations	42	19	61
Physical Sciences	59	38	97
Psychology	84	175	259
Protective Services	39	34	73
Public Administration and Services	88	207	295
Social Sciences and History	140	117	257
Visual and Performing Arts	153	152	305
Health Professions and Related Sciences	140	539	679
Business Management and Administrative Services	1,206	780	1,986
Total Master's Degrees	3,312	4,712	8,024

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Appendix 4 (Continued)
Degrees and Certificates by Level, Discipline and Gender of Recipient
1998-99

Discipline	Men	Women	Total
Doctoral			
Agricultural Business and Production	1	-	1
Agricultural Sciences	4	1	5
Conservation and Renewable Natural Resources	2	4	6
Area, Ethnic, and Cultural Studies	4	10	14
Education	18	28	46
Engineering	34	6	40
Foreign Languages and Literatures	15	19	34
Home Economics, General	-	3	3
English Language and Literature/Letters	10	11	21
Liberal Arts and Sciences, General Studies and Humanities	2	2	4
Biological Sciences/Life Sciences	60	39	99
Mathematics	10	6	16
Multi/Interdisciplinary Studies	1	1	2
Philosophy and Religion	9	5	14
Theological Studies and Religious Vocations	4	3	7
Physical Sciences	58	21	79
Psychology	14	21	35
Social Sciences and History	63	35	98
Visual and Performing Arts	16	11	27
Health Professions and Related Sciences	39	23	62
Business Management and Administrative Services	8	8	16
Total Doctoral Degrees	372	257	629
First-Professional			
Law and Legal Studies	327	260	587
Theological Studies and Religious Vocations	27	19	46
Health Professions and Related Sciences	114	98	212
Total First-Professional Degrees	468	377	845
Grand Totals	12,559	17,138	29,697

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